

Contributors to this Issue

A. J. CHRISTOPHER, B.S. in E.E., Carnegie Institute of Technology, 1921; Engineering Department, Western Electric Company, 1921-25; Bell Telephone Laboratories, 1925-. Mr. Christopher has been engaged in voice and carrier frequency transformer design and more recently concerned with the development of repeating, retardation, and induction coils.

A. B. CLARK, B.E.E., University of Michigan, 1911; American Telephone and Telegraph Company, 1911-. Toll Transmission Development Engineer, 1928-. Mr. Clark's work has been largely concerned with toll telephone and telegraph systems.

KARL K. DARROW, B.S., University of Chicago, 1911; University of Paris, 1911-12; University of Berlin, 1912; Ph.D., University of Chicago, 1917; Western Electric Company, 1917-25; Bell Telephone Laboratories, 1925-. Dr. Darrow has been engaged largely in writing on various fields of physics and the allied sciences.

C. J. DAVISSON, B.Sc., University of Chicago, 1908; Ph.D., Princeton University, 1911; Instructor in Physics, Carnegie Institute of Technology, 1911-17; Engineering Department of the Western Electric Company, 1917-25; Bell Telephone Laboratories, 1925-. Dr. Davison's work since coming with the Bell System has related largely to thermionics and electronic physics.

BANCROFT GHERARDI, B.Sc., Polytechnic Institute, Brooklyn, N. Y., 1891; M.E., Cornell University, 1893; M.M.E., Cornell University, 1894. New York Telephone Company, Engineering Assistant, 1895-99; Traffic Engineer, 1899-1900. New York and New Jersey Telephone Company, Chief Engineer, 1900-06. New York Telephone Company, and New York and New Jersey Telephone Company, Assistant Chief Engineer, 1906-07. American Telephone and Telegraph Company, Equipment Engineer, 1907-09; Engineer of Plant, 1909-18; Acting Chief Engineer, 1918-19; Chief Engineer, 1919-20; Vice President and Chief Engineer, 1920-. Mr. Gherardi is a Past President of the American Institute of Electrical Engineers and is now President of the American Standards Association.

FRANK B. JEWETT, A.B., California Institute of Technology, 1898; Ph.D., University of Chicago, 1902. American Telephone and Telegraph Company, Transmission and Protection Engineer, 1904-12. Western Electric Company, Assistant Chief Engineer, 1912-16; Chief Engineer, 1916-21; Vice President and Chief Engineer, 1921-22; Vice President, 1922-25. International Western Electric Company, Vice President, 1922-25. American Telephone and Telegraph Company, Vice President, and Bell Telephone Laboratories, President, 1925-. Dr. Jewett is a Past President of the American Institute of Electrical Engineers.

EDWARD C. MOLINA, Engineering Department of the American Telephone and Telegraph Company, 1901-19, as engineering assistant; transferred to the Circuits Design Department to work on machine switching systems, 1905; Department of Development and Research, 1919-. As Switching Theory Engineer, Mr. Molina has made contributions to the theory of probability and its applications to telephone problems, such as the efficiency of various trunking arrangements and the significance of data derived from samples.

H. S. OSBORNE, B.S., Massachusetts Institute of Technology, 1908; Austin Research Fellow in Engineering, 1908-10; Eng.D., 1910. American Telephone and Telegraph Company, Engineering Department, 1910-19; Department of Development and Research, 1919-20; Department of Operation and Engineering, 1920-. Mr. Osborne is Transmission Engineer and as such is responsible for assisting the Associated Companies in connection with telephone and telegraph transmission and protection matters.